

Wisconsin Department of Natural Resources SWIMS Project Summary

General Project Information

Project ID: CW09_WTPLAN
Name: Sevenmile and Ten Mile Creeks (CW09) Watershed Planning
Type: Water Quality Planning
Subtype: Targeted Watershed Plans
Status: COMPLETE
Start Date: 12/31/2013
End Date: 12/31/2014
Purpose: Watershed plan update 2016. The Sevenmile and Tenmile Creek Watershed is located in the counties of Adams, Portage, Wood and Waushara. This watershed is a maze of ditches and laterals that were created to drain lowland areas for agricultural activities.

There are large sections of land that have been purchased by the state that are being maintained for grassland ecosystems. Both grazing and pivot irrigation are two land uses that impact the water quality of Sevenmile and Tenmile Creeks Watershed.

This watershed was ranked using the Nonpoint Source Priority Watershed Selection Criteria. Based on surface and ground water data, the overall ranking is high, establishing Sevenmile and Tenmile Creek Watershed as a high priority for future grant eligibility through the Nonpoint Source Pollution Abatement Program.

The watershed includes the towns of Pine Grove, Grant, and Almond. The Portage County Soil Erosion Control Plan identifies these towns as having excessive soil loss rates due to wind and water erosion.

There are several cranberry farms located in the watershed that utilize water for their operation. Water drawn from ditches reduces stream flow, decreases adult fish cover, reduces spawning areas for trout and likely exposes fish redds, and may result in an increase of water temperatures. Discharges from cranberry marshes can adversely affect water temperatures, deposit sediment, and release nutrients to the ditches. Periodic impounding of the ditches to flood marshes may prevent fish migration, increase water temperatures and de-water downstream reaches.

Objective:

Comments:

Outcome:

Study Design: Watershed specified for planning and assessment purposes. Assessment of water quality condition in this respective county will use protocols described in WisCALM of the year of assessment. Minimum assessment work includes biological data (macroinvertebrates, fish indices), chemistry and habitat data. Additional work includes identification of priorities and goals, creating recommendations for actions, and updating narratives for watersheds and waterbodies. Assessments are to be double checked by at least one additional biologist.

QA Measures:

People

Name	Role	Status	Start Date	End Date	Organization	Comments
Helmuth, Lisa D	COORDINATOR	COMPLETE	06/30/2014	12/31/2099	Wisconsin DNR	
PERSON, RUTH A	COORDINATOR	INACTIVE	06/30/2014	12/31/2099	Wisconsin DNR	
Provost, Scott M	COORDINATOR	COMPLETE	06/30/2014	12/31/2014		

Project Statuses

Date	Reported By	Status	Comments
02/14/2016	Lisa Helmuth	Progress: 75-100% Complete	final review by scott needed.

Actions

Action	Detailed Description	Start	End Date	Status
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Action	Detailed Description	Start	End Date	Status
Water Quality Planning	<p>The Sevenmile and Tenmile Creek Watershed is located in the counties of Adams, Portage, Wood and Waushara. This watershed is a maze of ditches and laterals that were created to drain lowland areas for agricultural activities. There are large sections of land that have been purchased by the state that are being maintained for grassland ecosystems. Both grazing and pivot irrigation are two land uses that impact the water quality of Sevenmile and Tenmile Creeks Watershed. This watershed was ranked using the Nonpoint Source Priority Watershed Selection Criteria. Based on surface and ground water data, the overall ranking is high, establishing Sevenmile and Tenmile Creek Watershed as a high priority for future grant eligibility through the Nonpoint Source Pollution Abatement Program. The watershed includes the towns of Pine Grove, Grant, and Almond. The Portage County Soil Erosion Control Plan identifies these towns as having excessive soil loss rates due to wind and water erosion. There are several cranberry farms located in the watershed that utilize water for their operation. Water drawn from ditches reduces stream flow, decreases adult fish cover, reduces spawning areas for trout and likely exposes fish redds, and may result in an increase of water temperatures. Discharges from cranberry marshes can adversely affect water temperatures, deposit sediment, and release nutrients to the ditches. Periodic impounding of the ditches to flood marshes may prevent fish migration, increase water temperatures and de-water downstream reaches.</p>	12/31/2013	12/31/2014	IN_PROGRESS

Monitoring Stations

Station ID	Name	Comments
10013405	Tenmile Creek Wi. Riv. To Z	

Assessment Units

WBIC	Segment	Local Name	Official Name
1382700	1	Tenmile Creek	Tenmile Creek
1382700	2	Tenmile Cr. [Ditch #10]	Tenmile Creek

Lab Account Codes

Account Code	Description	Start Date	End Date
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Forms

Form Code	Form Name
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Methods

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Method Code**Description****Fieldwork Events**

Start Date	Status	Field ID	Station ID	Station Name
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Documents

Title	Description	Author	Published	Comments
Chlorophyll a Lakes Assessment Report		WDNR	06/19/2014	
Ditch 10 Farmers Rd Photo		Provost, Scott	02/01/2014	
Ditch 3. 4-mile creek watershed Photo		Provost, Scott	02/01/2014	
Ditch 5 CTH F Photo	Ditch 5 CTH F	Provost, Scott	02/01/2014	
Ditch 5 Taft Rd Photo	Ditch 5 Taft Rd	Provost, Scott	02/01/2014	
Ditch 6 CTH F photo	Ditch 6 CTH F	Provost, Scott	02/01/2014	
Ditch 6 Townline Rd photo	Ditch 6 Townline Rd	USACE	02/01/2014	
Ditch 9 CTH F Photo	Ditch 9 CTH F	Provost, Scott	02/01/2014	
Ditch 9. 7 10mile-creek watershed project macroinvertebrate photo	Ditch 9. 7 10mile-creek watershed project	Provost, Scott	02/01/2014	
GBH rookery Petenwell Photo	GBH rookery Petenwell	Provost, Scott	02/01/2014	
Macroinvertebrate IBI Wadeable Streams Graph		WDNR	06/19/2014	
Pressure transducer installation on Ditch 5 Portage County 7 10-mile Creek Watershed project. Photo	Pressure transducer installation on Ditch 5 Portage County 7 10-mile Creek Watershed project.	Provost, Scott	02/01/2014	
Seven Mile and Ten Mile Creeks Watershed Plan 2011 (CW09)	Assessments and recommendations for the Watershed. Seven Mile and Ten Mile Creeks Watershed Plan (CW09)	Provost, Scott	01/01/2016	
Sevenmile and Tenmile CW09 Watershed Table		Ruth Person	10/08/2014	
Sevenmile and Tenmile Creek CW09 Macroinvertebrate IBI Report 2014	Sevenmile and Tenmile Creek CW09 Macroinvertebrate IBI Report 2014	Helmuth, Lisa	02/26/2014	
South Branch 10mile Taft Rd Photo		Provost, Scott	02/01/2014	
Total Phosphorus Lakes Assessment Report [Bass Lake (Claudes Lake), 970100]	Total phosphorus report for Bass Lake. No data available.	WDNR	06/19/2014	
Total Phosphorus Rivers Streams Assessment Report		WDNR	06/19/2014	

Budget**Combined Budgets:****Combined SLOH:****Combined Total:****Funding**

Organization	Source	Type	Amount	Start Date	End Date
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